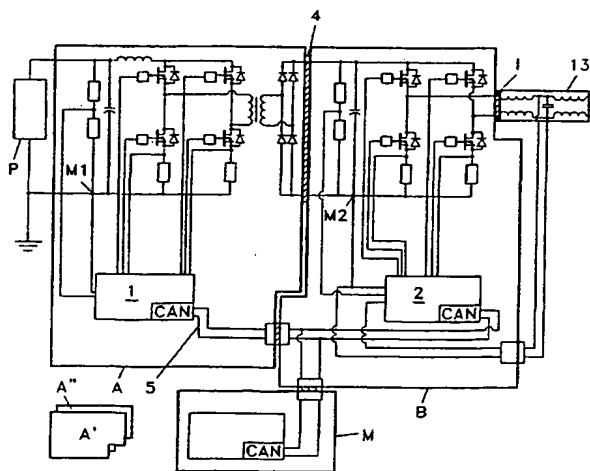




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- (71) Applicant (for all designated States except US): **POWER-LYNX A/S [DK/DK]; Ellegaardvej 36, DK-6400 Sønderborg (DK).**
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **JEPSEN, Axel, Baagø [DK/DK]; Solsikkevej 6, DK-6440 Augustenborg (DK). HARVEST, Nils-Ole [DK/DK]; Skovtoften 11, Havnbjerg, DK-6430 Nordborg (DK). BORUP, Uffe, Vikøren [DK/DK]; Gl. Flensborgvej 18, DK-6200 Aabenraa (DK).**
- (74) Agent: **DANFOSS A/S; Patent Department, DK-6430 Nordborg (DK).**
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(54) Title: **POWER CONVERTER**



(57) Abstract: A power converter for converting energy from a green power unit as e.g. a solar cell into energy fed into the commercial grid is described. The object is to provide a versatile modularized power converter with eased access to control of the power switches. Another object is to improve the electrical efficiency. This is achieved by using an independent controller on a DC/DC module and an independent controller on a DC/AC module, whereby the two independent controllers communicate with each other and the outside world by means of a communication bus. Further, the DC/DC module of the power converter comprises a transformer which transfers energy from the DC/DC module to the DC/AC module. This design enables independent control of the modules and eases controllability of the power switches in order to suppress retroaction from pulsations generated on the mains when supplying energy to a single phase grid. Hereby the electrical efficiency of the power converter is increased. Also, an active snubber circuit is described which further increase the efficiency.

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